

Terrific Broth (900 mL)

- 12 g Tryptone
- 24 g yeast extract
- 5 mL 80% glycerol
- H₂O to 900 mL

Phosphate Buffer for TB (800 mL)

- 100 g potassium phosphate dibasic (powdery)
- 18.4 g potassium phosphate monobasic (crystal-like)
- H₂O to 800 mL

Add 100 mL buffer to 900 mL TB before use

For Nickel Elutions

Lysis Buffer (1 L)

- 40 mL 1 M Tris pH 8 (40 mM final)
- 75 mL 4M NaCl (300 mM final)
- 125 mL 80% glycerol
- 2 mL 5M imidazole
- H₂O to 1 L

Before sonication, add protease inhibitors (concentration varies) and BME (10 mM final)

Wash/Column Buffer (50 mL per purification)

- Lysis Buffer
- Optional:
 - 35 μ L BME (10 mM final)
 - 200 μ L 5 M imidazole (20 mM final)

Elution Buffer (15 mL)

- Lysis Buffer
- 10.5 μ L BME (10 mM final)
- 720 μ L 5 M imidazole (240 mM final)

For Maltose Elutions

Lysis/Wash/Column Buffer

- 20 mM Tris-HCl (pH 8?)
- 0.2 M NaCl
- 1 mM EDTA
- Optional:
 - 10 mM BME

Elution Buffer

- Column Buffer
- 10 mM maltose (or higher)

Amylose Resin Column Regeneration (up to 5 regenerations)

- 3 column volumes water
- 3 column volumes 0.1% w/v SDS
- 1 column volume water
- 5 column volumes column buffer

Store in column buffer. Wash with 5 volumes column buffer before each use